Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COMPANY
WELL
FIELD
COUNTY
STATE

Other Services: GR
Date: 8-8-83
Run No.: 1
Depth Driller: 2,500
Depth Logger: 2,500
Bottom Log Interval: 2,500
Top Log Interval: 0
Casing Driller: 13 3/8 @ 0
Casing Logger: 13 3/8 @ 0
Bit Size: 12 1/4
Type Fluid in Hole: WATER
Density: 8.8
Viscosity: 28
Max. Rec. Temp. °F: 150
Equipment No.: 3-1
Location: IMPERIAL
Recorded By: J. ROSS
Witnessed By: J. ROSS

Run No.	Date	Depth Driller	Depth Logger	Bottom Log Interval	Top Log Interval	Casing Driller	Casing Logger	Bit Size	Type Fluid in Hole	Density	Viscosity	Max. Rec. Temp. °F	Equipment No.	Location	Recorded By	Witnessed By
1	8-8-83	2,500	2,500	2,500	0	13 3/8 @ 0	13 3/8 @ 0	12 1/4	WATER	8.8	28	150	3-1	IMPERIAL	J. ROSS	J. ROSS

The well name, location and borehole indicators have been furnished by the client.

Run No.	One
Service Order No.	14371
Fluid Level	SURFACE

SCALE CHANGES
Interval Transit Time: 5 Scale Down to 2 Scale Down Here

EQUIPMENT DATA

Sonic Panel No.	BHC-2323
Sonic Cart No.	C-21
Sonic Sounds No.	1-24,25
Amp. Panel No.	16-2,3
Amp. Cart No.	16-2,3
G.R. Panel No.	14-1,2,5
G-Caper No.	14-5,6
TTR No.	11-2,16
Centralizers No.	3
Type	Rigid
Sensitivity Type	Sonic
Type	Gas
Time Const. Sec.	1
Speed - F.P.M.	30

BIT RECORD

Run	Bit No.	Type	Size	From	To
1	1		12 1/4	0	2,500

CALIBRATION DATA

GR	Min. CPS	18,000
	Source CPS	500
	Hi Sec	1 SEC

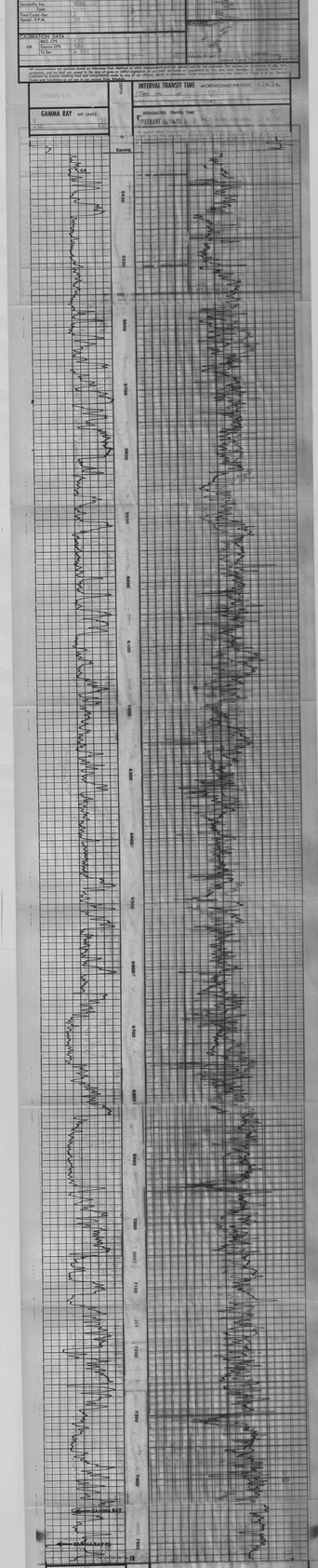
Casing Record

Size	Weight	Grade	From	To
13 3/8	54.5	K-55	0	2,500

Remarks: 1 SHOT PER FOOT

All interpretations are opinions based on inferences from electrical or other measurements and we do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost, damages or expense incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our standard terms and conditions as set forth in our current price schedule.

Engineer: J. ROSS



COMPANY REPUBLIC GEOTHERMAL, INC.
WELL EAST MESA 56-30
FIELD EAST MESA
COUNTY IMPERIAL STATE CALIFORNIA

SCHL. RR. 2,533
SCHL. TD. 2,533
DRILL TD. 2,533
Elev.: K.B. N/A
D.F.
G.L. 30.35

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Other Services
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Top Log Interval
Casing Driller
Casing Logger
Bit Size
Type Fluid in Hole
Density
Viscosity
Max. Rec. Temp. °F
Equipment No.
Location
Recorded By
Witnessed By

DRILLING-MT TEMPERATURE LOGS

Depth Scale
Temp. Scale
Time Scale
Time Const.
Speed
Sensitivity
Time Const.
Speed
Sensitivity
Time Const.
Speed
Sensitivity